

CPC**COOPERATIVE PATENT CLASSIFICATION****B60M**

POWER SUPPLY LINES, AND DEVICES ALONG RAILS, FOR ELECTRICALLY- PROPELLED VEHICLES ([control of points and safety arrangements along railway lines B61L](#) ; [construction of rails and points in general E01B](#))

NOTE

This subclass deals with:

overhead, overground or underground power supply lines; their crossings and points, erection and supervision;

devices along rails and rail joints, for current conduction and for insulation;

safety devices along the route against earth currents and inductive interference with nearby communication lines

Guide heading:

- | | |
|------------------|--|
| B60M 1/00 | Power supply lines for contact with collector on vehicle (collectors therefor B60L 5/00) |
| | |
| B60M 1/02 | . Details |
| B60M 1/04 | .. Mechanical protection of line Protection against contact by living beings |
| B60M 1/06 | .. Arrangements along the power lines for reducing interference in near-by communication lines (in general H04B 15/02) |
| B60M 1/08 | .. Arrangements for energising and de-energising power line sections using mechanical actuation by the passing vehicle |
| B60M 1/10 | .. Arrangements for energising and de-energising power line sections using magnetic actuation by the passing vehicle |
| B60M 1/103 | ... {by vehicle-borne magnets } |
| B60M 1/106 | ... {by track-mounted magnets } |
| | |
| B60M 1/12 | . Trolley lines Accessories therefor |
| B60M 1/13 | .. Trolley wires |
| B60M 1/135 | ... {composite } |
| B60M 1/14 | .. Crossings Points |
| B60M 1/16 | .. Suspension insulators (in general H01B) |
| B60M 1/18 | .. Section insulators Section switches |
| B60M 1/20 | .. Arrangements for supporting or suspending trolley wires, e.g. from buildings |
| B60M 1/22 | ... Separate lines from which power lines are suspended, e.g. catenary lines, supporting-lines under tension |

- B60M 1/225 . . . Arrangements for fixing trolley wires to supporting-lines which are under tension
- B60M 1/23 . . . Arrangements for suspending trolley wires from catenary line
- B60M 1/234 . . . incorporating yielding means or damping means ([supporting wires B60M 1/22](#))
- B60M 1/24 . . . Clamps
Splicers
Anchor tips
- B60M 1/26 . . . Compensation means for variation in length
- B60M 1/28 . . . Manufacturing or repairing trolley lines ([scaffold cars B60P](#) ; [B61D 15/00](#); [platforms therefor B66F 11/04](#); [manufacturing conductors in general H01B 13/00](#); [overhead lines in general H02G 1/00](#))
- B60M 1/30 . . . Power rails
- B60M 1/302 . . . {composite }
- B60M 1/305 . . . {Joints }
- B60M 1/307 . . . {Supports }
- B60M 1/32 . . . Crossings
Points ([B60M 1/34](#) takes precedence)
- B60M 1/34 . . . in slotted conduits
- B60M 1/343 . . . {Crossings; Points }
- B60M 1/346 . . . {Joints }
- B60M 1/36 . . . Single contact pieces along the line for power supply
- B60M 3/00** **Feeding power to supply lines in contact with collector on vehicles**
Arrangements for consuming regenerative power ([controlling rail vehicles by varying voltage of power fed to vehicle B60L](#) ; [power distribution in general H02J](#))
- B60M 3/02 . . . with means for maintaining voltage within a predetermined range ([in general G05F](#))
- B60M 3/04 . . . Arrangements for cutting in and out of individual track sections ([by passage of the vehicle B60M 1/10](#))
- B60M 3/06 . . . Arrangements for consuming regenerative power
- B60M 5/00** **Arrangements along running rails or at joints thereof for current conduction or insulation, e.g. safety devices for reducing earth currents** ([insulating rail joints E01B 11/54](#); [conductive connections between rails in general H01R 3/00](#), [H01R 4/00](#), [H01R 4/70](#))
- B60M 5/02 . . . Means for reducing potential difference between rail and adjacent ground
- B60M 7/00** **Power lines or rails specially adapted for electrically-propelled vehicles of special types, e.g. suspension tramway, ropeway, underground railway**
- B60M 7/003 . . . {for vehicles using stored power ([e.g. charging stations](#)) }
- B60M 7/006 . . . {for auto-scooters or the like, the power being supplied over a broad surface }

Guide heading:

B60M 2200/00 **Specific problems related to power supply lines not otherwise provided for**

B60M 2200/02 . Prevention of theft of valuable metals